

ABSTRACT

Flexible multilayer microwave or mm-wave circuits and sensors are provided having at least (a) a first metallization layer, at least a portion of the first metallization layer being adapted for operation at a frequency ranging from 20GHz to 100 GHz; (b) a second metallization layer, at least a portion of the second metallization layer being adapted for operation as a ground plane; (c) a dielectric substrate layer, the dielectric substrate layer being disposed between the first and second metallization layers; and (d) a plurality of conductive vias extending through the dielectric substrate layer and electrically connecting portions of the first and second metallization layers.

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